

11995 Haney Place, Maple Ridge, BC V2X 6A9
Phone: 604-467-7339 Email: Engineering@MapleRidge.ca

General information

Customer name: _____

Address: _____

PID number: _____

Step 1: calculate customer total fixture value

Fixture	AWWA fixture value GPM @ 60 psi	No. of fixtures	Fixture value
Bathtub	8	×	=
Bedpan washers	10	×	=
Bidet	2	×	=
Dental unit	2	×	=
Dishwasher	2	×	=
Drinking fountain, public	2	×	=
Hose bibs (c/w 50 ft. wash down):			
½ in.	5	×	=
⅝ in.	9	×	=
¾ in.	12	×	=
Kitchen sink	2.2	×	=
Lavatory	1.5	×	=
Showerhead (shower only)	2.5	×	=
Service sink	4	×	=
Toilet:			
Flush valve	35	×	=
Tank type	4	×	=
Urinal:			
Pedestal flush valve	35	×	=
Wall flush valve	16	×	=
Wash sink (each set of faucets)	4	×	=
Washing machine	6	×	=
Other:		×	=
		×	=
		×	=
Combined fixture value total			=

GPM (A)

Step 2: apply pressure adjustment factor

City water system pressure	=	_____	psi
Pressure factor from Table 4-3	=	_____	(B)
Customer adjusted peak demand (A × B)	=	_____	GPM (C)

Step 3: calculate customer probable peak demand

Refer to Figure 4-2 or 4-3	Customer peak demand	=	_____	GPM (D)
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Step 4: calculate irrigation demand

		No. of sections*			
Underground sprinklers:					
Spray system	1.16	×	_____	=	_____
Rotary system	0.4	×	_____	=	_____
				=	_____
Total irrigation demand				=	_____
					GPM (E)

*100 ft.² irrigation area = 1 section

Step 5: calculate total peak fixed demand

		% at peak demand			
Domestic demand (D)	_____	×	_____	=	_____
Irrigation demand (E)	_____	×	_____	=	_____
Total peak fixed demand				=	_____
					GPM (F)

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Step 6: select water meter

Water meter make/model	=	_____	
Water meter size*	=	_____	in.
Water service connection size	=	_____	in.
Meter location (outside/inside)	=	_____	

* Total peak fixed demand (F) not to exceed 90% of meter rated peak instantaneous flow

* Pressure loss at total peak fixed demand (F) not to exceed 7 psi

Professional certification (applicant's engineer)

Name: _____

Company: _____

Date: _____

Comments: _____
